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<p>(21) International Application Number: <b>PCT/US96/14810</b></p> <p>(22) International Filing Date: 16 September 1996 (16.09.96)</p> <p>(30) Priority Data:            60/003,935 19 September 1995 (19.09.95) US            60/003,936 19 September 1995 (19.09.95) US         </p> <p>(71) Applicant (<i>for all designated States except US</i>): ELI LILLY AND COMPANY [US/US]; Lilly Corporate Center, Indianapolis, IN 46285 (US).</p> <p>(72) Inventors; and            (75) Inventors/Applicants (<i>for US only</i>): BASINSKI, Margret, B. [US/US]; 1229 North Hawthorne Lane, Indianapolis, IN 46219 (US). HSIUNG, Hansen, M. [US/US]; 14436 Jeremy Drive, Carmel, IN 46032 (US). SCHONER, Brigitte, E. [US/US]; Rural Route 2, Box 30 F., Monrovia, IN 46157 (US). ZHANG, Xing-Yue [US/US]; 6450 Camden Street, Indianapolis, IN 46227 (US).</p> <p>(74) Agents: MACIAK, Ronald, S. et al.; Eli Lilly and Company, Lilly Corporate Center, Indianapolis, IN 46285 (US).</p>		<p>(81) Designated States: AL, AM, AU, AZ, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, RO, RU, SD, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).</p> <p>Published  <i>With international search report.</i></p>	

(54) Title: DNA ENCODING MEDICINAL PROTEINS

## (57) Abstract

The invention includes nucleic acid sequences encoding medically useful proteins, pharmaceutical formulations, and method for expressing the proteins. In particular, higher primate leptin protein cDNA sequences are disclosed as are the expressed proteins.

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